KEY:

(1) End cap

(2) Conduit locknut, 1½" DIA

(3) Locknipple, 1½" DIA

(4) Steel washer

(5) Neoprene gasket

(6) Bronze serrated ell fitting with:
- 3/8 " stainless steel through bolt and nuts
- Three set screws at slipfitter connection
- Three allen head stainless steel set screws at conduit nipple connection

(7) Serrated ring with pins

(8) Hex locknut with:
- Two allen head stainless steel set screws
- Pin receptacles

(9) Conduit nipple, 1 1/2 " DIA

(10) Hex locknut, 1½" DIA

(11) Mounting assembly

(12) Bronze elevator plumbizer with ⅜" stainless steel through bolt, washers, and two nuts

(13) Aluminum arm with set screw

(14) Slotted tube with closure strip

(15) Tube clamp, 2½" ID, MIN

(16) Internally threaded clamp assembly with:
- Two set screws
- 1/2 " x 0.045" stainless steel bands
- Screw buckles, 7/16 " with swivels, nuts, and washers
- Band clips with allen head stainless steel set screws

(17) Bronze messenger hanger with:
- ½" DIA J bolts
- Cable lock bar
- Rivet
- Cotter key

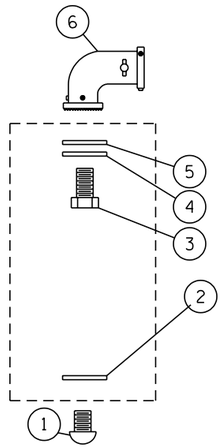
(18) Bronze internally threaded wire entrance with:
- Bushing insert
- Allen head stainless steel set screw

(19) Bronze balance adjuster

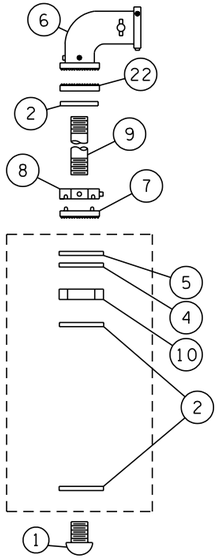
(20) Multi-head mounting assembly

(21) Spider assembly

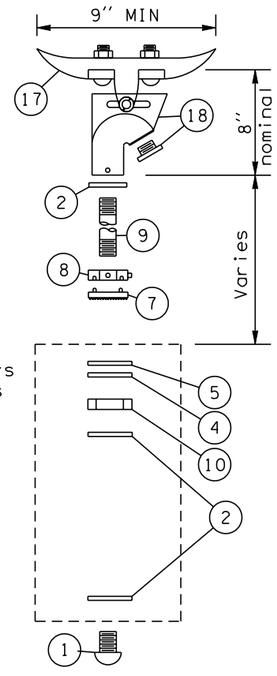
(22) Serrated ring with no pins



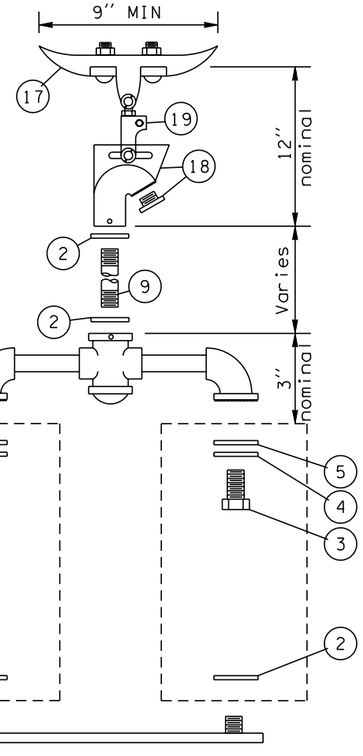
ARM MOUNT
TYPE L



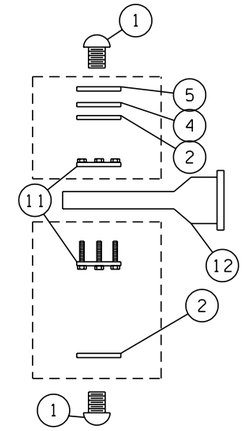
ARM MOUNT
TYPE LE
(TYPE L WITH
EXTENSION FITTINGS)



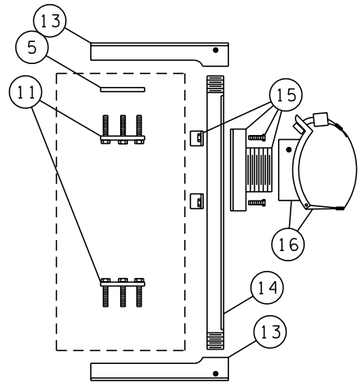
SPAN WIRE
TYPE P (1 HEAD)



SPAN WIRE
TYPE Q (2 HEADS)
TYPE R (3 HEADS)
TYPE S (4 HEADS)



ARM MOUNT
TYPE M



ARM MOUNT
TYPE N

NOTES:

1. Type M mounting shall have "O" ring groove and seal top and bottom at signal attachment.
2. Type M mounting for conventional heads shall have a 2" diameter opening at the signal attachment.
3. Type M mounting for optically programmed heads shall have a 3½" DIA opening at the signal attachment.
4. Type N mounting with optically programmed heads shall be installed with 14" nominal arms.
5. See Standard Plan J-6h for tether wire, and backplate requirements.

R. SCOTT ZELLER
STATE OF WASHINGTON
28680
REGISTERED
PROFESSIONAL ENGINEER

EXPIRES MAY 5, 2003

SIGNAL HEAD MOUNTING DETAILS MAST ARM & SPAN WIRE MOUNTINGS

STANDARD PLAN J-6g

SHEET 1 OF 1 SHEET

NOTE: THIS PLAN IS NOT A LEGAL ENGINEERING DOCUMENT BUT AN ELECTRONIC DUPLICATE THE ORIGINAL, SIGNED BY THE ENGINEER AND APPROVED FOR PUBLICATION, IS KEPT ON FILE AT THE WASHINGTON STATE DEPARTMENT OF TRANSPORTATION. A COPY MAY BE OBTAINED UPON REQUEST.

DATE	REVISION	BY
11/2002	REV. KEY NOTES 6, 9, 16 & 18; REV. NOTE 5; REV. SPAN WIRE TYPE P DETAIL	RG

APPROVED FOR PUBLICATION

Harold J. Peterfeso — STATE DESIGN ENGINEER — *12-12-02* — DATE

Washington State Department of Transportation